

SEQUENCE LISTING

<110> Viaxxel Biotech GmbH

<120> Compounds that affect CD83 expression, pharmaceutical compositions comprising said compounds and methods for identifying said compounds

<130> 84201

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<160> 27

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

<213> Homo sapiens

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<222> (1)..(615)

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Ala	Pro	Ala	Thr	Pro	Glu	Val	Lys	Val	Ala	Cys	Ser	Glu	Asp	Val	Asp	
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ttg	ccc	tgc	acc	gcc	ccc	tgg	gat	ccg	cag	gtt	ccc	tac	acg	gtc	tcc	144
Leu	Pro	Cys	Thr	Ala	Pro	Trp	Asp	Pro	Gln	Val	Pro	Tyr	Thr	Val	Ser	

10025367.124901

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Glu Asp His Leu Arg Gly Gln His Tyr His Gln Lys Gly Gln Asn Gly			
65	70	75	80
tct ttc gac gcc ccc aat gaa agg ccc tat tcc ctg aag atc cga aac			288
Ser Phe Asp Ala Pro Asn Glu Arg Pro Tyr Ser Leu Lys Ile Arg Asn			
85	90	95	
act acc agc tgc aac tcg ggg aca tac agg tgc act ctg cag gac ccg			336
Thr Thr Ser Cys Asn Ser Gly Thr Tyr Arg Cys Thr Leu Gln Asp Pro			
100	105	110	
gat ggg cag aga aac cta agt ggc aag gtg atc ttg aga gtg aca gga			384
Asp Gly Gln Arg Asn Leu Ser Gly Lys Val Ile Leu Arg Val Thr Gly			
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Cys Pro Ala Gln Arg Lys Glu Glu Thr Phe Lys Lys Tyr Arg Ala Glu			
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Ile Val Leu Leu Leu Ala Leu Val Ile Phe Tyr Leu Thr Leu Ile Ile			
145	150	155	160
ttc act tgt aag ttt gca cgg cta cag agt atc ttc cca gat ttt tct			528
Phe Thr Cys Lys Phe Ala Arg Leu Gln Ser Ile Phe Pro Asp Phe Ser			
165	170	175	
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Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val Thr Ser Pro Asn Lys			
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<213> Homo sapiens

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 35 40 45

Trp Val Lys Leu Leu Glu Gly Gly Glu Glu Arg Met Glu Thr Pro Gln
 50 55 60

Glu Asp His Leu Arg Gly Gln His Tyr His Gln Lys Gly Gln Asn Gly
 65 70 75 80

Ser Phe Asp Ala Pro Asn Glu Arg Pro Tyr Ser Leu Lys Ile Arg Asn
 85 90 95

Thr Thr Ser Cys Asn Ser Gly Thr Tyr Arg Cys Thr Leu Gln Asp Pro
 100 105 110

Asp Gly Gln Arg Asn Leu Ser Gly Lys Val Ile Leu Arg Val Thr Gly
 115 120 125

Cys Pro Ala Gln Arg Lys Glu Glu Thr Phe Lys Lys Tyr Arg Ala Glu

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135

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Ile Val Leu Leu Leu Ala Leu Val Ile Phe Tyr Leu Thr Leu Ile Ile

145

150

155

160

Phe Thr Cys Lys Phe Ala Arg Leu Gln Ser Ile Phe Pro Asp Phe Ser

165

170

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Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val Thr Ser Pro Asn Lys

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<222> (14)..(601)

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Cys Ser Glu Thr Ala Asp Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln

30

35

40

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Gln Ala Phe Leu Pro Val Thr Ser Pro Ser Lys His Leu Gly Pro Val
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acc ctt cct aag aca gaa acg gta tgagtaggat ctccactggt ttttacaaag 631
 Thr Leu Pro Lys Thr Glu Thr Val

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aagattgtct gtatgattct ggacgagtca cttgtggttt tcactctctg gttagtaaac 1531

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 Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr
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cag gat gag tta cga agc ctg ttc agc agc att ggt gaa gtt gaa tct 144
 Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser
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 Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
 50 55 60

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 85 90 95

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 Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
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 115 120 125

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 Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
 130 135 140

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 165 170 175

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 Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn
 180 185 190

 gtg gca ctc ctc tcg cag ctg tac cac tcg cca gcg cga cgg ttc gga 624
 Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly
 195 200 205

 ggc ccc gtt cac cac cag gcg cag aga ttc agg ttc tcc ccc atg ggc 672
 Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly
 210 215 220

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 Val Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala
 225 230 235 240

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 Ser Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp
 245 250 255

 gag ggg atc ctc tgg cag atg ttt ggg ccg ttt ggt gcc gtc acc aat 816
 Glu Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn
 260 265 270

 gtg aaa gtg atc cgc gac ttc aac acc aac aag tgc aaa ggg ttt ggc 864
 Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly
 275 280 285

 ttt gtg acc atg aca aac tat gaa gaa gcc gcg atg gcc ata gcc agc 912
 Phe Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser

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290

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300

ctg aac ggc tac cgc ctg ggg gac aaa atc tta cag gtt tcc ttc aaa 960
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 35 40 45

Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
 50 55 60

Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr
 65 70 75 80

Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala
 85 90 95

Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
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Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg
 115 120 125

Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
 130 135 140

Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala
 145 150 155 160

Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser
 165 170 175

Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn
 180 185 190

Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly
 195 200 205

Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly
 210 215 220

Val Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala
 225 230 235 240

Ser Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp
 245 250 255

Glu Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn
 260 265 270

Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly
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Phe Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser
 290 295 300

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44

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Gly Pro Thr Thr Ile Asn Asn Asn Cys Ser Ser Pro Val Asp Ser Gly

20 25 30

aac aca gaa gac agc aag acc aac tta ata gtc aac tac ctt cct cag 144

Asn Thr Glu Asp Ser Lys Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln

35 40 45

aac atg aca cag gag gaa cta aag agt ctc ttt ggg agc att ggt gaa 192

Asn Met Thr Gln Glu Glu Leu Lys Ser Leu Phe Gly Ser Ile Gly Glu

50 55 60

ata gag tcc tgt aag ctt gta aga gac aaa ata aca ggg cag agc ttg 240

Ile Glu Ser Cys Lys Leu Val Arg Asp Lys Ile Thr Gly Gln Ser Leu

65 70 75 80

gga tat ggc ttt gtg aac tac att gac ccc aag gat gca gag aaa gct 288

Gly Tyr Gly Phe Val Asn Tyr Ile Asp Pro Lys Asp Ala Glu Lys Ala

85 90 95

atc aac acc ctg aat gga ttg aga ctt caa acc aaa aca ata aaa gtt 336

Ile Asn Thr Leu Asn Gly Leu Arg Leu Gln Thr Lys Thr Ile Lys Val

100 105 110

tcc tat gct cgc cca agt tca gct tct atc aga gat gca aat tta tat 384

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115 120 125

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 Val Ser Gly Leu Pro Lys Thr Met Thr Gln Lys Glu Leu Glu Gln Leu
 130 135 140

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 Phe Ser Gln Tyr Gly Arg Ile Ile Thr Ser Arg Ile Leu Val Asp Gln
 145 150 155 160

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 Val Thr Gly Ile Ser Arg Gly Val Gly Phe Ile Arg Phe Asp Lys Arg
 165 170 175

att gag gca gaa gaa gct atc aaa ggc cta aat ggc cag aaa cct ccc 576
 Ile Glu Ala Glu Glu Ala Ile Lys Gly Leu Asn Gly Gln Lys Pro Pro
 180 185 190

ggc gcc acg gag cca atc act gta aag ttt gct aat aac cca agc caa 624
 Gly Ala Thr Glu Pro Ile Thr Val Lys Phe Ala Asn Asn Pro Ser Gln
 195 200 205

aaa acc aat cag gcc atc ctt tcc cag ctg tac cag tct cca aac aga 672
 Lys Thr Asn Gln Ala Ile Leu Ser Gln Leu Tyr Gln Ser Pro Asn Arg
 210 215 220

agg tat cca gga ccg cta gct cag cag gca cag cgt ttt agg ttg gac 720
 Arg Tyr Pro Gly Pro Leu Ala Gln Gln Ala Gln Arg Phe Arg Leu Asp
 225 230 235 240

aat ctg ctc aat atg gct tat gga gta aag agg ttt tct cca atg acc 768
 Asn Leu Leu Asn Met Ala Tyr Gly Val Lys Arg Phe Ser Pro Met Thr
 245 250 255

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 260 265 270

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Glu Ser Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn
290 295 300

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Asn Met Thr Gln Glu Glu Leu Lys Ser Leu Phe Gly Ser Ile Gly Glu
 50 55 60

Ile Glu Ser Cys Lys Leu Val Arg Asp Lys Ile Thr Gly Gln Ser Leu
 65 70 75 80

Gly Tyr Gly Phe Val Asn Tyr Ile Asp Pro Lys Asp Ala Glu Lys Ala
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Ile Asn Thr Leu Asn Gly Leu Arg Leu Gln Thr Lys Thr Ile Lys Val
 100 105 110

Ser Tyr Ala Arg Pro Ser Ser Ala Ser Ile Arg Asp Ala Asn Leu Tyr
 115 120 125

Val Ser Gly Leu Pro Lys Thr Met Thr Gln Lys Glu Leu Glu Gln Leu
 130 135 140

Phe Ser Gln Tyr Gly Arg Ile Ile Thr Ser Arg Ile Leu Val Asp Gln
 145 150 155 160

Val Thr Gly Ile Ser Arg Gly Val Gly Phe Ile Arg Phe Asp Lys Arg
 165 170 175

Ile Glu Ala Glu Glu Ala Ile Lys Gly Leu Asn Gly Gln Lys Pro Pro
 180 185 190

Gly Ala Thr Glu Pro Ile Thr Val Lys Phe Ala Asn Asn Pro Ser Gln
 195 200 205

Lys Thr Asn Gln Ala Ile Leu Ser Gln Leu Tyr Gln Ser Pro Asn Arg
 210 215 220

Arg Tyr Pro Gly Pro Leu Ala Gln Gln Ala Gln Arg Phe Arg Leu Asp

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225 230 235 240
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 260 265 270
 Gly Thr Gly Trp Cys Ile Phe Val Tyr Asn Leu Ala Pro Asp Ala Asp
 275 280 285
 Glu Ser Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn
 290 295 300
 Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly
 305 310 315 320
 Phe Val Thr Met Thr Asn Tyr Asp Glu Ala Ala Met Ala Ile Arg Ser
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 Thr Asn Lys Thr His Lys Ala
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 Pro Ala Gly Pro Ala Leu Pro Asn Gly Pro Leu Leu Gly Thr Asn Gly

20 25 30

gcc act gac gac agc aag acc aac ctc atc gtc aac tac ctg ccc cag 144
 Ala Thr Asp Asp Ser Lys Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln

35 40 45

aac atg acc cag gat gag ttc aag agt ctc ttc ggc agc att ggc gac 192
 Asn Met Thr Gln Asp Glu Phe Lys Ser Leu Phe Gly Ser Ile Gly Asp

50 55 60

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 Ile Glu Ser Cys Lys Leu Val Arg Asp Lys Ile Thr Gly Arg Asp Leu

65 70 75 80

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85 90 95

atc aac acc ctc aac ggc ctc aaa tta cag acg aag acc atc aag gtg 336
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100 105 110

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115 120 125

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130 135 140

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 145 150 155 160

gtc aca ggt gtc tct cgg ggt gtg gga ttc atc cgc ttt gac aag agg 528
 Val Thr Gly Val Ser Arg Gly Val Gly Phe Ile Arg Phe Asp Lys Arg
 165 170 175

att gag gcc gaa gag gct atc aaa gga ctg aat ggg cag aag ccg ctg 576
 Ile Glu Ala Glu Glu Ala Ile Lys Gly Leu Asn Gly Gln Lys Pro Leu
 180 185 190

ggc gca gct gag ccc atc aca gtc aag ttc gcg aac aac cca agt cag 624
 Gly Ala Ala Glu Pro Ile Thr Val Lys Phe Ala Asn Asn Pro Ser Gln
 195 200 205

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 Lys Thr Gly Gln Ala Leu Leu Thr His Leu Tyr Gln Ser Ser Ala Arg
 210 215 220

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 Arg Tyr Ala Gly Pro Leu His His Gln Thr Gln Arg Phe Arg Leu Asp
 225 230 235 240

aat ttg ctc aac atg gcc tac ggc gtc aag agg ttc tcg ccg atc gcc 768
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 245 250 255

atc gat ggt atg agc ggc ctg gcg ggc gtg ggc ctg tcg ggg ggc gcg 816
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 260 265 270

gcg ggc ggc tgg tgc atc ttc gtg tac aac ctg tca ccg gag gca gac 864
 Ala Gly Gly Trp Cys Ile Phe Val Tyr Asn Leu Ser Pro Glu Ala Asp
 275 280 285

gag agc gtg ctg tgg cag ctg ttc ggg cct ttt ggg gca gtc acc aac 912

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Glu Ser Val Leu Trp Gln Leu Phe Gly Pro Phe Gly Ala Val Thr Asn
 290 295 300

gtc aag gtc atc cgt gat ttc acc acc aac aag tgc aag ggt ttc ggc 960
 Val Lys Val Ile Arg Asp Phe Thr Thr Asn Lys Cys Lys Gly Phe Gly
 305 310 315 320

ttc gtg acc atg acc aac tat gac gag gcg gcc atg gcc atc gcc agc 1008
 Phe Val Thr Met Thr Asn Tyr Asp Glu Ala Ala Met Ala Ile Ala Ser
 325 330 335

ctg aac ggc tat cgc ctg gcc gag cgc gtg ctg cag gtc tcc ttc aag 1056
 Leu Asn Gly Tyr Arg Leu Ala Glu Arg Val Leu Gln Val Ser Phe Lys
 340 345 350

acc agc aaa cag cac aag gcg 1077
 Thr Ser Lys Gln His Lys Ala
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<210> 25

<211> 359

<212> PRT

<213> Homo sapiens

<400> 25

Met Val Thr Gln Ile Leu Gly Ala Met Glu Ser Gln Val Gly Gly Gly
 1 5 10 15

Pro Ala Gly Pro Ala Leu Pro Asn Gly Pro Leu Leu Gly Thr Asn Gly
 20 25 30

Ala Thr Asp Asp Ser Lys Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln
 35 40 45

Asn Met Thr Gln Asp Glu Phe Lys Ser Leu Phe Gly Ser Ile Gly Asp
 50 55 60

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Ile Glu Ser Cys Lys Leu Val Arg Asp Lys Ile Thr Gly Arg Asp Leu
 65 70 75 80
 Gly Tyr Gly Phe Val Asn Tyr Pro Asp Pro Asn Asp Ala Asp Lys Ala
 85 90 95
 Ile Asn Thr Leu Asn Gly Leu Lys Leu Gln Thr Lys Thr Ile Lys Val
 100 105 110
 Ser Tyr Ala Arg Pro Ser Ser Ala Ser Ile Arg Asp Ala Asn Leu Tyr
 115 120 125
 Val Ser Gly Leu Pro Lys Thr Met Ser Gln Lys Glu Met Glu Gln Leu
 130 135 140
 Phe Ser Gln Tyr Gly Arg Ile Ile Thr Ser Arg Ile Leu Val Asp Gln
 145 150 155 160
 Val Thr Gly Val Ser Arg Gly Val Gly Phe Ile Arg Phe Asp Lys Arg
 165 170 175
 Ile Glu Ala Glu Glu Ala Ile Lys Gly Leu Asn Gly Gln Lys Pro Leu
 180 185 190
 Gly Ala Ala Glu Pro Ile Thr Val Lys Phe Ala Asn Asn Pro Ser Gln
 195 200 205
 Lys Thr Gly Gln Ala Leu Leu Thr His Leu Tyr Gln Ser Ser Ala Arg
 210 215 220
 Arg Tyr Ala Gly Pro Leu His His Gln Thr Gln Arg Phe Arg Leu Asp
 225 230 235 240
 Asn Leu Leu Asn Met Ala Tyr Gly Val Lys Arg Phe Ser Pro Ile Ala
 245 250 255

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Thr Ser Lys Gln His Lys Ala
355

atg gtt atg ata att agc acc atg gag cct cag gtg tca aat ggt ccg 48
Met Val Met Ile Ile Ser Thr Met Glu Pro Gln Val Ser Asn Gly Pro
1 5 10 15

aca tcc aat aca agc aat gga ccc tcc agc aac aac aga aac tgt cct 96
 Thr Ser Asn Thr Ser Asn Gly Pro Ser Ser Asn Asn Arg Asn Cys Pro
 20 25 30

tct ccc atg caa aca ggg gca acc aca gat gac agc aaa acc aac ctc 144
 Ser Pro Met Gln Thr Gly Ala Thr Thr Asp Asp Ser Lys Thr Asn Leu
 35 40 45

atc gtc aac tat tta ccc cag aat atg acc caa gaa gaa ttc agg agt 192
 Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln Glu Glu Phe Arg Ser
 50 55 60

ctc ttc ggg agc att ggt gaa ata gaa tcc tgc aaa ctt gtg aga gac 240
 Leu Phe Gly Ser Ile Gly Glu Ile Glu Ser Cys Lys Leu Val Arg Asp
 65 70 75 80

aaa att aca gga cag agt tta ggg tat gga ttt gtt aac tat att gat 288
 Lys Ile Thr Gly Gln Ser Leu Gly Tyr Gly Phe Val Asn Tyr Ile Asp
 85 90 95

cca aag gat gca gag aaa gcc atc aac act tta aat gga ctc aga ctc 336
 Pro Lys Asp Ala Glu Lys Ala Ile Asn Thr Leu Asn Gly Leu Arg Leu
 100 105 110

cag acc aaa acc ata aag gtc tca tat gcc cgt ccg agc tct gcc tca 384
 Gln Thr Lys Thr Ile Lys Val Ser Tyr Ala Arg Pro Ser Ser Ala Ser
 115 120 125

atc agg gat gct aac ctc tat gtt agc ggc ctt ccc aaa acc atg acc 432
 Ile Arg Asp Ala Asn Leu Tyr Val Ser Gly Leu Pro Lys Thr Met Thr
 130 135 140

cag aag gaa ctg gag caa ctt ttc tcg caa tac ggc cgt atc atc acc 480
 Gln Lys Glu Leu Glu Gln Leu Phe Ser Gln Tyr Gly Arg Ile Ile Thr
 145 150 155 160

tca cga atc ctg gtt gat caa gtc aca gga gtg tcc aga ggg gtg gga 528

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Ser Arg Ile Leu Val Asp Gln Val Thr Gly Val Ser Arg Gly Val Gly
 165 170 175

ttc atc cgc ttt gat aag agg att gag gca gaa gaa gcc atc aaa ggg 576
 Phe Ile Arg Phe Asp Lys Arg Ile Glu Ala Glu Glu Ala Ile Lys Gly
 180 185 190

ctg aat ggc cag aag ccc agc ggt gct acg gaa ccg att act gtg aag 624
 Leu Asn Gly Gln Lys Pro Ser Gly Ala Thr Glu Pro Ile Thr Val Lys
 195 200 205

ttt gcc aac aac ccc agc cag aag tcc agc cag gcc ctg ctc tcc cag 672
 Phe Ala Asn Asn Pro Ser Gln Lys Ser Ser Gln Ala Leu Leu Ser Gln
 210 215 220

ctc tac cag tcc cct aac cgg cgc tac cca ggt cca ctt cac cac cag 720
 Leu Tyr Gln Ser Pro Asn Arg Arg Tyr Pro Gly Pro Leu His His Gln
 225 230 235 240

gct cag agg ttc agg ctg gac aat ttg ctt aat atg gcc tat ggc gta 768
 Ala Gln Arg Phe Arg Leu Asp Asn Leu Leu Asn Met Ala Tyr Gly Val
 245 250 255

aag aga ctg atg tct gga cca gtc ccc cct tct gct tgt tcc ccc agg 816
 Lys Arg Leu Met Ser Gly Pro Val Pro Pro Ser Ala Cys Ser Pro Arg
 260 265 270

ttc tcc cca att acc att gat gga atg aca agc ctt gtg gga atg aac 864
 Phe Ser Pro Ile Thr Ile Asp Gly Met Thr Ser Leu Val Gly Met Asn
 275 280 285

atc cct ggt cac aca gga act ggg tgg tgc atc ttt gtc tac aac ctg 912
 Ile Pro Gly His Thr Gly Thr Gly Trp Cys Ile Phe Val Tyr Asn Leu
 290 295 300

tcc ccc gat tcc gat gag agt gtc ctc tgg cag ctc ttt ggc ccc ttt 960
 Ser Pro Asp Ser Asp Glu Ser Val Leu Trp Gln Leu Phe Gly Pro Phe

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305 310 315 320

gga gca gtg aac aac gta aag gtg att cgt gac ttc aac acc aac aag 1008
 Gly Ala Val Asn Asn Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys
 325 330 335

tgc aag gga ttc ggc ttt gtc acc atg acc aac tat gat gag gcg gcc 1056
 Cys Lys Gly Phe Gly Phe Val Thr Met Thr Asn Tyr Asp Glu Ala Ala
 340 345 350

atg gcc atc gcc agc ctc aac ggg tac cgc ctg gga gac aga gtg ttg 1104
 Met Ala Ile Ala Ser Leu Asn Gly Tyr Arg Leu Gly Asp Arg Val Leu
 355 360 365

caa gtt tcc ttt aaa acc aac aaa gcc cac aag tcc 1140
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 370 375 380

<210> 27
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 Met Val Met Ile Ile Ser Thr Met Glu Pro Gln Val Ser Asn Gly Pro
 1 5 10 15

Thr Ser Asn Thr Ser Asn Gly Pro Ser Ser Asn Asn Arg Asn Cys Pro
 20 25 30

Ser Pro Met Gln Thr Gly Ala Thr Thr Asp Asp Ser Lys Thr Asn Leu
 35 40 45

Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln Glu Glu Phe Arg Ser
 50 55 60

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Leu Phe Gly Ser Ile Gly Glu Ile Glu Ser Cys Lys Leu Val Arg Asp
65 70 75 80

Lys Ile Thr Gly Gln Ser Leu Gly Tyr Gly Phe Val Asn Tyr Ile Asp
85 90 95

Pro Lys Asp Ala Glu Lys Ala Ile Asn Thr Leu Asn Gly Leu Arg Leu
100 105 110

Gln Thr Lys Thr Ile Lys Val Ser Tyr Ala Arg Pro Ser Ser Ala Ser
115 120 125

Ile Arg Asp Ala Asn Leu Tyr Val Ser Gly Leu Pro Lys Thr Met Thr
130 135 140

Gln Lys Glu Leu Glu Gln Leu Phe Ser Gln Tyr Gly Arg Ile Ile Thr
145 150 155 160

Ser Arg Ile Leu Val Asp Gln Val Thr Gly Val Ser Arg Gly Val Gly
165 170 175

Phe Ile Arg Phe Asp Lys Arg Ile Glu Ala Glu Glu Ala Ile Lys Gly
180 185 190

Leu Asn Gly Gln Lys Pro Ser Gly Ala Thr Glu Pro Ile Thr Val Lys
195 200 205

Phe Ala Asn Asn Pro Ser Gln Lys Ser Ser Gln Ala Leu Leu Ser Gln
210 215 220

Leu Tyr Gln Ser Pro Asn Arg Arg Tyr Pro Gly Pro Leu His His Gln
225 230 235 240

Ala Gln Arg Phe Arg Leu Asp Asn Leu Leu Asn Met Ala Tyr Gly Val
245 250 255

Lys Arg Leu Met Ser Gly Pro Val Pro Pro Ser Ala Cys Ser Pro Arg

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260 265 270

Phe Ser Pro Ile Thr Ile Asp Gly Met Thr Ser Leu Val Gly Met Asn
275 280 285

Ile Pro Gly His Thr Gly Thr Gly Trp Cys Ile Phe Val Tyr Asn Leu
290 295 300

Ser Pro Asp Ser Asp Glu Ser Val Leu Trp Gln Leu Phe Gly Pro Phe
305 310 315 320

Gly Ala Val Asn Asn Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys
325 330 335

Cys Lys Gly Phe Gly Phe Val Thr Met Thr Asn Tyr Asp Glu Ala Ala
340 345 350

Met Ala Ile Ala Ser Leu Asn Gly Tyr Arg Leu Gly Asp Arg Val Leu
355 360 365

Gln Val Ser Phe Lys Thr Asn Lys Ala His Lys Ser
370 375 380

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